

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	163	anzai hiroyuki.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/12/15 09:44
S1	4	"472772".AP.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/11/01 17:54
S2	7	"316649".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 08:19
S3	7	"319550".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 08:20
S4	6	"368573".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 08:20
S5	2	"6632382".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 13:03
S6	29	("20040039072"   "20060030632"   "4229396"   "5489407"   "5817705"   "5912279"   "6063823"   "6310112"   "6355341"   "6583188"   "6608141"   "6787580"   "6790870"   "6958365"). PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 16:35
S7	0	(foam with polystrene )and (hydrofluorocarbon or carbon dioxide or argon or water or air or nitrogen or helium) and (ethylene vinyl acetate or ethylene methyl acrylate or polyethylene glycol) and (size with cell) and (close with cell) and (nucleating agent or calcium silicate or calicum carbonate or calcium stearate or clay or silica or titanium dioxide or barium sulfate or diatomaceous earth or indigo) and (dimensional stability)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 16:13

S8	0	(foam with polystyrene )and (hydrofluorocarbon or carbon dioxide or argon or water or air or nitrogen or helium) and (ethylene vinyl acetate or ethylene methyl acrylate or polyethylene glycol) and (size with cell) and (closed with cell) and (nucleating agent or calcium silicate or calicum carbonate or calcium stearate or clay or silica or titanium dioxide or barium sulfate or diatomaceous earth or indigo) and (dimensional stability)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 16:12
S9	0	(foam same polystyrene )and (hydrofluorocarbon or carbon dioxide or argon or water or air or nitrogen or helium) and (ethylene vinyl acetate or ethylene methyl acrylate or polyethylene glycol) and (size with cell) and (closed with cell) and (nucleating agent or calcium silicate or calicum carbonate or calcium stearate or clay or silica or titanium dioxide or barium sulfate or diatomaceous earth or indigo) and (dimensional stability)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 15:01
S10	4	(foam same polystyrene )and (hydrofluorocarbon or carbon dioxide or argon or water or air or nitrogen or helium) and (ethylene vinyl acetate or ethylene methyl acrylate or polyethylene glycol) and (size with cell) and (closed with cell) and (nucleating agent or calcium silicate or calicum carbonate or calcium stearate or clay or silica or titanium dioxide or barium sulfate or diatomaceous earth or indigo)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 15:03
S11	5	(foam same polystyrene )and (hydrofluorocarbon or carbon dioxide or argon or water or air or nitrogen or helium) and (ethylene vinyl acetate or ethylene methyl acrylate or polyethylene glycol) and (closed with cell) and (nucleating agent or calcium silicate or calicum carbonate or calcium stearate or clay or silica or titanium dioxide or barium sulfate or diatomaceous earth or indigo)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 15:03

S12	87	(foam) and (polystrene or alkenyl aromatic) and (hydrofluorocarbon or carbon dioxide or argon or water or air or nitrogen or helium) and (ethylene vinyl acetate or ethylene methyl acrylate or polyethylene glycol) and (closed with cell) and (nucleating agent or calcium silicate or calicum carbonate or calcium stearate or clay or silica or titanium dioxide or barium sulfate or diatomaceous earth or indigo)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 15:04
S13	5	(foam with polystrene )and (nucleating agent) and closed cell	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 16:12
S14	15	(foam with polystrene ) and closed cell	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 16:12
S15	5	(foam with polystrene) and (cell with closed) and nucleating agent	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 16:13
S16	434	(foam with polystyrene) and (cell with closed) and nucleating agent	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 16:15
S17	2	(foam with polystyrene )and (hydrofluorocarbon or carbon dioxide or argon or water or air or nitrogen or helium) and (ethylene vinyl acetate or ethylene methyl acrylate or polyethylene glycol) and (size with cell) and (close with cell) and (nucleating agent or calcium silicate or calicum carbonate or calcium stearate or clay or silica or titanium dioxide or barium sulfate or diatomaceous earth or indigo) and (dimensional stability)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 16:14
S18	88	(foam with polystyrene) and (cell with closed).ab. and nucleating agent	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 16:20
S19	287	((foam with polystyrene) and (cell with closed)).ab.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 16:24
S20	6	"275,849".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 16:24
S21	159	(foam with alkenyl aromatic) and closed cell	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 16:46

S22	2564	(foam with thermoplastic) and closed cell	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 16:46
S23	132	(foam with thermoplastic) and (closed cell).ti.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/31 16:47
S24	2	"5654347".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/11/01 17:54
S25	2	"6063823".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/11/05 07:53
S26	105	(foam with (polyurethane and rigid)). ab. and ((NCO or isocyanate) with ratio)	USPAT	OR	OFF	2007/11/07 14:09
S27	262	(foam with (polyurethane and rigid)). ab. and ((NCO or isocyanate) with ratio)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/11/07 14:44
S28	52	524/131.icls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/11/07 14:44
S29	1	"5786400".pn.	USPAT	OR	OFF	2007/11/07 18:05
S30	1	"6313060".pn.	USPAT	OR	OFF	2007/11/07 18:06
S31	1	"6372811".pn.	USPAT	OR	OFF	2007/11/07 18:06
S32	1649	1,1,1,3,3-pentafluoropropane or HFC-245fa	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/08 12:35
S33	1479	1,1,1,3,3-pentafluoropropane or HFC-245fa and (\$dimethylacetamide or \$4butyrolactone or methoxypropyl acetate or 1,1,1,3,3,-pentafluorobutane or hfc-365mfc)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/08 12:36
S34	1378	1,1,1,3,3-pentafluoropropane or HFC-245fa and (\$dimethylacetamide or \$4butyrolactone or methoxypropyl acetate or 1,1,1,3,3,-pentafluorobutane or hfc-365mfc) with compatib\$8	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/08 12:37
S35	285	foam with polyurethane.ab. and 1,1,1,3,3-pentafluoropropane or HFC-245fa and (\$dimethylacetamide or \$4butyrolactone or methoxypropyl acetate or 1,1,1,3,3,-pentafluorobutane or hfc-365mfc) with compatib\$8	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/08 12:37

S36	154	(foam with ((hard or rigid) and polyurethane)).ab. and 1,1,1,3,3-pentafluoropropane or HFC-245fa and (\$dimethylacetamide or \$4butyrolactone or methoxypropyl acetate or 1,1,1,3,3,-pentafluorobutane or hfc-365mfc) with compatib\$8	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/08 12:41
S37	4	(foam with ((hard or rigid) and polyurethane)).ab. and (1,1,1,3,3-pentafluoropropane or HFC-245fa) and (\$dimethylacetamide or \$4butyrolactone or methoxypropyl acetate or 1,1,1,3,3,-pentafluorobutane or hfc-365mfc) with compatib\$8	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/08 12:52
S38	92	(foam with ((hard or rigid) and polyurethane)).ab. and (1,1,1,3,3-pentafluoropropane or HFC-245fa) and (\$dimethylacetamide or \$4butyrolactone or methoxypropyl acetate or 1,1,1,3,3,-pentafluorobutane or hfc-365mfc)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/08 12:52
S39	2	(foam with ((hard or rigid) and polyurethane)).ab. and (1,1,1,3,3-pentafluoropropane or HFC-245fa) and ( methoxypropyl acetate)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/08 12:55
S40	2	(foam with (polyurethane)).ab. and (1,1,1,3,3-pentafluoropropane or HFC-245fa) and ( methoxypropyl acetate)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/08 12:55
S41	13	(foam with polyurethane).ab. and (1,1,1,3,3-pentafluoropropane or HFC-245fa) and (\$dimethylacetamide or \$4butyrolactone or methoxypropyl acetate)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/08 12:57
S42	11	(foam with polyurethane).ab. and (1,1,1,3,3-pentafluoropropane or HFC-245fa) with compatibil\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/08 13:08
S43	2	"6787513".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/08 13:09
S44	3	("5523333"   "5895793"   "6514928").PN. OR ("6787513").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/08 13:09
S45	54	524/131.icls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/08 13:59
S46	0	"224601".ab.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/08 14:07
S47	7	"224601".ap.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/08 14:07
S48	1	"7326362".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/08 14:07
S49	1	"6198010".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/08 14:08

S50	2	"5895793".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/06/08 14:11
S51	1006	(hfc-245fa or (hfc near2 245fa))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/11/17 11:09
S52	1012	(hfc-245fa or (hfc near2 245fa)) or (1,1,3,3-pentafluoropropane)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/11/17 11:10
S53	3605	(hfc-245fa or (hfc near2 245fa)) or (\$pentafluoropropane)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/11/17 11:11
S54	1221	hfc-365mfc or \$pentafluorobutane	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/11/17 11:13
S55	127308	(\$dimethylacetamide or N-methylpyrrolidone or methylpyrrolidone or N-methyl pyrrolidone or methyl pyrrolidone or NMP or \$butyrolactone or methoxypropyl acetate or methoxypropylacetate)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/11/17 11:15
S56	579026	polyurethane or urethane	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/11/17 11:15
S57	23	S53 and S54 and S55 and S56	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/11/17 11:16
S58	0	TAKAMICHI OTA.IN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/11/17 11:24
S59	13	OTA TAKAMICHI.IN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/11/17 11:25
S60	552	YOSHI DA TSUTOMU.IN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/11/17 11:32
S61	2	YOSHI DA TSUTOMU.IN. AND (\$PENTAFLUOROPROPANE OR HFC- 245FA)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/11/17 11:33
S62	437	S53 and S54 and S56	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/11/17 11:43

S63	395	S53 and S54 and S56 WITH FOAM	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/11/17 11:44
S64	349	S53 WITH S54 and S56 WITH FOAM	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/11/17 11:46
S65	2	"6080799".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/11/17 15:53
S66	22	("5277834"   "5496866"   "5496867"   "5574072"   "5624970"   "5646196"   "5730894"   "5840212"   "5889066").PN. OR ("6080799"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/17 15:57
S67	643	521/170.1CLS.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/17 17:03
S68	3605	(hfc-245fa or (hfc near2 245fa)) or (\$pentafluoropropane)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/11/17 17:03
S69	87	521/170.1CLS. AND S68	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/17 17:03
S70	1221	hfc-365mfc or \$pentafluorobutane	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/11/17 17:03
S71	46	521/170.1CLS. AND S68 AND S70	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/17 17:03
S72	325	521/170.1CLS. and (ammonia or methylamine or ethylamine or ethylenediamine)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/17 17:29
S73	308	521/170.1CLS. and (ammonia or methylamine or ethylamine or ethylenediamine) and oxide	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/17 17:29
S74	131	521/170.1CLS. and (ammonia or methylamine or ethylamine or ethylenediamine) and oxide and (ethylene glycol or propylene glycol or \$butanediol or \$hexanediol or trimethylolpropane) and (hydroquinone or bisphenol\$)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/17 17:31
S75	91	521/170.1CLS. and (ammonia or methylamine or ethylamine or ethylenediamine) and oxide and (ethylene glycol or propylene glycol or \$butanediol or \$hexanediol or trimethylolpropane) and (hydroquinone or bisphenol\$) and (phthalic or isophthalic)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/17 17:33
S76	2	"6319962".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/11/18 16:52

S77	2	"5786400".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/11/18 16:54
S78	245	521/170.icls. and (reaction with temperature)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/11/18 17:05
S79	89	521/170.icls. and (reaction with ("20"\$3 and temperature))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/11/18 17:06

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	25	anzai hiroyuki.in. or anraku natsuko.in. or jinno masahiro.in. or shiroo fumio.in. or hibino yasuo.in. or hesaka toshio.in.	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/15 09:47
L3	1	"5889068".pn.	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/15 09:53
L4	122743	methoxypropyl acetate or MPA or 2-METHOXYPROPYL-1-ACETATE or 70657-70-4	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/15 09:55
L6	30280	\$butyrolactone or butyrolactone or GBL	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/15 09:57
L7	1333	1,1,1,3,3-pentafluoropropane or HFC-245fa or HFC 245fa or HFC245fa	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/15 09:58
L8	821	1,1,1,3,3-pentafluorobutane or HFC-365mfc or HFC365mfc or HFC 365mfc	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/15 09:58
L9	370704	polyurethane or urethane	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/15 09:58
L10	73	l9 and l7 and l8 and l4	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/15 09:59
L11	1998	methoxypropyl acetate or 2-METHOXYPROPYL-1-ACETATE or 70657-70-4	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/15 10:00
L12	1	l9 and l7 and l8 and l11	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/15 10:00
L16	2231	methoxypropyl acetate or 2-METHOXYPROPYL-1-ACETATE or 70657-70-4 or methoxy propyl acetate or 2-methoxypropyl acetate	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/15 10:01

L17	1	9 and  7 and  8 and  16	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/15 10:02
L18	1	9 and  7 and  16	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/15 10:02
L19	11	9 and  7 and  6	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/15 10:02
L20	2239	methoxypropyl acetate or 2-METHOXYPROPYL-1-ACETATE or 70657-70-4 or methoxy propyl acetate or 2-methoxypropyl acetate or 2-methoxy pentanoate or methoxypentanoate	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/15 10:16
L21	1	9 and  7 and  11	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/15 10:16
L22	689	521/170.icls.	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/15 10:28

12/15/2009 10:28:40 AM

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